

Converting Colors

CIELCh(57, 97.739, 44.652)

Have a look what the booklet for
CIELCh(57, 97.739, 44.652) contains.

CIELCh(57, 97.650, 44.723)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 97.650, 44.723)

Conversions

Conversions Part 1

Format	Color
Hex	FF4000
RGB	255, 64, 0
RGB Percent	100%, 25%, 0%
CMY	0.0001, 0.7490, 1.0000
CMYK	0.00, 0.75, 1.00, 0.00
HSL	15°, 100%, 50%
HSV	15°, 100%, 100%
XYZ	43.0674, 24.9227, 2.5402
YIQ	113.8130, 134.3800, 20.5880

Conversions

Conversions Part 2

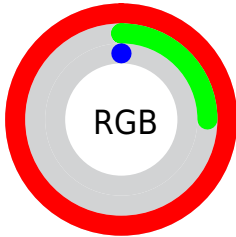
Format	Color
RYB	255, 85, 0
Decimal	16728064
CIELab	57.00, 69.38, 68.71
CIELCh	57, 97.650, 44.723
Yxy	24.9227, 0.6106, 0.3534
Android (android.graphics.Color)	4294918144 (0xFFFF4000)
YUV	113.8130, -56.1098, 123.8210
Hunter-Lab	49.9226, 66.6242, 31.9290

Details

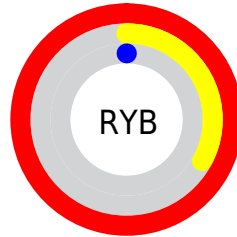
The CIELCh color **57, 97.650, 44.723** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **73, 46.062, 247.478**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.588, 50.465**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **57, 97.645, 44.724**, and if you desaturate by 10%, it is **59, 89.888, 45.481**.

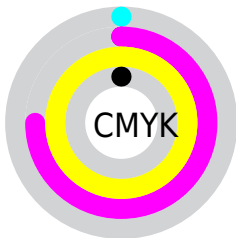
Distribution



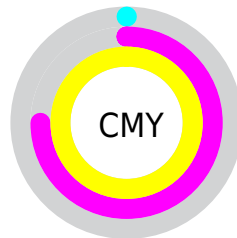
- Red (100%)
- Green (25%)
- Blue (0%)



- Red (100%)
- Yellow (33%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 97.650, 44.723 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 57, 97.650, 44.723 by changing the saturation by 10% instead.

 57, 97.650, 44.723

 57, 97.650, 44.723

 100, 97.650,
44.723

 47, 97.650, 44.723

 77, 97.650, 44.723

 37, 97.650, 44.723

 87, 97.650, 44.723

 27, 97.650, 44.723

 97, 97.650, 44.723

 17, 97.650, 44.723

 7, 97.650, 44.723

 0, 97.650, 44.723

 57, 97.650, 44.723

 57, 97.650, 44.723

 57, 97.645, 44.724

 59, 89.888, 45.481

 63, 79.428, 45.433

66, 67.842, 45.035

70, 56.240, 44.655

75, 45.112, 44.427

79, 34.658, 44.374

84, 24.942, 44.481

89, 15.957, 44.716

95, 7.662, 45.027

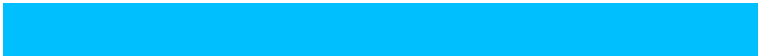
Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57, 97.650, 44.723



73, 46.062, 247.478

Rectangle

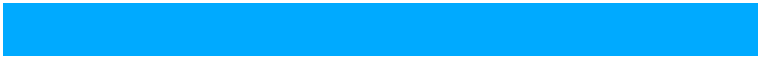
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57, 97.650, 44.723



57, 97.650, 94.723



57, 97.650, 224.723



57, 97.650, 274.723

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57, 97.645, 44.724



84, 24.943, 44.481



57, 95.119, 341.694



43, 17.317, 44.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 97.645, 44.724



57, 97.649, 44.724



81, 83.704, 82.962



50, 4.348, 45.042



43, 78.161, 45.218



12, 29.234, 40.332

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73, 46.062, 247.478



73, 46.065, 247.478



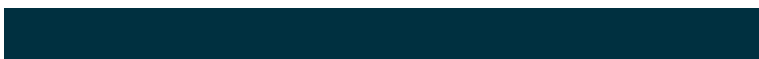
39, 112.376, 301.193



51, 4.110, 226.139



56, 36.916, 246.578



18, 16.501, 240.195

Previews

White Background



This preview shows how the CIELCh color 57, 97.650, 44.723 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 57, 97.650, 44.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 97.650, 44.723

Background



This preview shows how black text looks on a background with the CIELCh color 57, 97.650, 44.723.



This preview shows how white text looks on a background with the CIELCh color 57, 97.650, 44.723.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

57, 97.650, 44.723

Protanopia

57, 55.749, 95.786

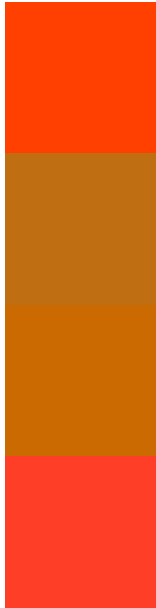
Deuteranopia

57, 62.730, 83.654



Tritanopia
57, 84.673, 32.530

Trichromacy



Original Color
57, 97.650, 44.723

Protanomaly
55, 63.628, 66.124

Deuteranomaly
55, 71.251, 62.190

Tritanomaly
57, 90.589, 38.944

Monochromacy



Original Color
57, 97.650, 44.723

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 35.920, 44.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 97.650, 44.723 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 64, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 64, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 97.650, 44.723 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 64, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 64, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 64, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 57, 97.650, 44.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 64, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 64,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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